VOLUME 43

INDEX OF SUBJECTS AND AUTHORS

Only main topics are listed, and reference is given to the first page of each paper in which they are discussed

actin gene 3′ untranslated sequences, 217
aldehyde dehydrogenase, 219
Allium triquetrum, interchange quadrivalents at metaphase, 139
Al-Shawi, R., 213
Ascobolus immersus gene conversion alleles (*ccf*), 107
Aspergillus nidulans, *niaD*, nonsense mutations of, 241
  variegated position effect (*brlA12*), 123
Atchley, W. R., 289

barley chloroplast DNA diversity, 339
Barnett, L. K., 213
Barth, R. K., 216
Bencze, G., 149
Bennett, D., 43
Bhattacharya, S. S., 213
Biotechnology: A comprehensive treatise in 8 volumes, Volume 3, Eds. Rehm, H.-J., Reed, G. – book review, 99
Bishop, J. O., 213, 215
Bohomme, F., 201, 202, 215
books reviewed and received, 99, 221, 344
Boursot, P., 201
Bower, D. J., 214
Brennand, J., 214
Brown, A. H. D., 339
Bücher, Th., 204, 209
Buckingham, M., 202
Bulfield, G., 217, 218

Cameron, I. R., 215
canaries, non-disjunction and sex determination, 173
Caskey, T., 214
Chandler, P., 206
chloroplast DNA diversity in barley, 339
Clark, A. J., 213, 215
Clegg, M. T., 339
Clutterbuck, A. J., 123
Cooke, H., 213
Cookingham, J. C., 43
Creissen, D., 218
Crolla, J. A., 207
De Framond, D. G., 229
Dils, R., 215
Drosophila melanogaster,
  bobbed and Y^{bb-}, 93
  DNA repair and hybrid dysgenesis, 159
  esterase 6, 181
  hybrid dysgenesis and DNA repair, 159
  male recombination (MR), 149
  minute (*M*) and gene expression, 257
  rRNA genes and Y^{bb-}, 93
  segregation distortion (SD), 149
  sucrose (dietary) modulated gene expression, 307
  transposable elements and DNA repair, 159
  Y^{bb-} chromosome and rDNA, 93
Dudley, R. K., 210
Dunnwald, M., 209
Dykhuizen, D. G., 229

Edström, J.-E., 205
Edwards, Y., 217
Endow, S. A., 93
Erickson, R. P., 35
Errington, L. H., 214
Escherichia coli, *eda* wild-type alleles, 229
  edd wild-type alleles, 229
  zwf wild-type alleles, 229
esterases of *Microtus agrestis*, 219
Evans, H. J., 213

fatty acid synthase (FAS), gene cloned, 215
Fernie, B. A., 217
Fisher, G., 210
Fort, Ph., 201, 215
Fox, H., 205
Fox, M., 214
Frischauf, A., 205
Fundele, R., 204

galacturonate utilization in *Escherichia coli*, 229
Garrels, J. I., 21
Geer, B. W., 307
Genes, Lewin, B. – book review, 221
Gillespie, G., 217
gluconate utilization in *Escherichia coli*, 229
Gotoh, O., 277

Grigliatti, T. A., 257
Gropp, A., 201, 202, 207, 277
Guenet, J.-L., 202

Haemoglobin, Dickerson, R. E., Geis, I. – book review, 103
Hammerberg, C., 27
hamster 'lethal grey', 203
Harris, S., 216
Hartl, D. L., 229
Hastie, N. H., 216
Hawley, R. S., 93
Hermann, B., 205
Hill, R. E., 216
Hill, W. G., 75
Hinrichsen, R. D., 11
Hobart, M. J., 217
Holloway, A. J., 203
Holmes, J. G., 181
Hopkinson, D. A., 219
Hornby, J. E., 203
Howell, W. M., 107
H-Y antigens as inducers, 208
hypoxanthine guanine phosphorybosyltransferase (HPRT), gene cloned, 214

Intercellular Communication in Leukocyte Function, Eds. Parker, J. W., O'Brien, R. L. – book review, 102
Irwin, J., 218

Jacobs-Cohen, R. J., 43
Jeffreys, A. J., 216
Johannisson, R., 201
Johnson, A. L., 1
Johnson, F. M., 65
Johnston, L. H., 1
Journal of microbial methods, Volume 1 – book review, 226
Jutley, J. K., 203

Kaufman, T. C., 257
Krietsch, W., 204
Kung, C., 11

Lachmann, P. J., 217
Lamb, B. C., 107
Lambda II Monograph 13, Eds. Hendrix, R. W., Roberts, J. W., Stahl, F. W., Weisberg, R. A. – book review, 222
Laurie-Ahlberg, C. C., 307
Lehrach, H., 205
Linke, I. M., 205, 210
Lloyd, J., 217
Lovell, D. P., 65
Lukralle, D., 21
Lynch, C. B., 299
Lyon, M., 205, 210

Mahadevaiah, S., 206
Mains, P., 205
Malik, R. C., 323
Martin, S. A. M., 217
Martinelli, S. D., 241
Mason, J. M., 159
McLaren, A., 206
Meehan, R. R., 216
Middleton, R. J., 217
Minezawa, M., 277
Minty, A., 202
Mittwoch, U., 206
Moriwaki, K., 277
mouse,
  alloformless cell protein gene mapping, 202
  α_1 – antichymotrypsin gene clone, 216
  α_1 – antitrypsin gene clone, 216
  body weight selection, 191
  brown fat and size selection, 299
  Cattanach's translocation [Is(7:*X*)Ct] and male sterility, 35
  chimaeras, aggregation, 209
  chromosome 7 deletions and male sterility, 35
  DNA ligase variant, 218
  Eday strain, 207
  energy partitioning and body size selection, 323
  Fu locus, 43
  glucose phosphate isomerase (GPI), 210
  growth-component selection, 75
  H-Z complex rearrangements, 219
  histidine decarboxylase, 217
  keratin, high sulphur-containing, 213
  kink (Fu^{ki}), 43
  knobbly (Fu^{kb}), 43
  male sterility, 206
  mandible shape, age and sex, 65
  Mag strain, 207
  melanocyte granules and somatic mutations, 209
  mitochondrial and genomic DNA homologies, 214
  mitochondrial DNA divergence in Robertsonian translocation strains, 277
  mitochondrial genome evolution, 201
  MF1 strain, 21
  nuclear genome evolution, 201
  oocytes of XY sex-reversed and hermaphroditic mice, 202
  phosphoglycerate kinase 1 (PGK-1), 204
  poly ADP-ribosyl transferase variant, 218

pyruvate kinase (*Pk-3*) gene mapping, 218
Robertsonian translocations and mtDNA divergence, 277
16S rRNA, 215
size selection and temperature regulation, 299
somatic mutant detection, 208
spermatogenesis, monoclonal antibodies to, 210
subspecies variation of mtDNA, 277
Sxr and H-Y antigen, 206
tabby (*Ta*) locus site of action, 51
t-complex, analysis, 205; genetic basis of, 205; t^6, 21; tcl^o, 27; T^{hp}, 27; t^{Lmb}, 21; temperature regulation and size selection, 299; triosephosphate isomerase (*Tpi-1*) gene mapping, 218; trisomies 16 and 19 at first meiotic metaphase, 207; trisomy 19, pachytene analysis of, 201; urinary proteins (MUP), 213, 215; Y-chromosome, genetic analysis of, 203
Murray, B., 218

Nash, N. R., 207
non-disjunction in canaries, 173

Palumbo, G., 93
Paramecium tetraurelia atalantas (*ataA*) mutants, 11
Pennycuick, P. R., 51
Peters, J., 218
Pirchner, F., 191
Plant infectious agents, Robertson, H. D., Howell, S. H., Zaitlin, M., Malmberg, R. L. – book review, 101
Polani, P. E., 207
Potter, J., 210
Povey, S., 219
Pritchard, N. R., 209
pseudogene evolution, 216

Raphael, K. A., 51
rat body size selection and covariance with brain size, 289
Recombinant DNA Techniques: an Introduction, Rodriguez, R. L., Tait, R. C. – book review, 224
recombination in mitotic cell cycle of *Saccharomyces cerevisiae*, 1
retinitis pigmentosa DNA probes, 213
Richmond, R. C., 181
Rickards, G. K., 139
Robert, B., 202
Roberts, R. C., 299
Roberts, T. J., 241
Robertson, A., 75
Rogers, J. H., 219
Röhme, D., 205

Saccharomyces cerevisiae, mitotic recombination in, 1
cdc mutants, 1
dbf mutants, 1
Sanchez, E. R., 27
Santisteban, I., 219
Scazzocchio, C., 241
Sealy-Lewis, H. M., 241
Searle, A. G., 208
Semeonoff, R., 219
Setterfield, L. A., 206
Shall, S., 218
Sharp, G. L., 75
Shaw, P. H., 216
Silver, L. M., 21, 205
Simpson, G., 206
Sinclair, D. A. R., 257
Sittmann, K., 173
Skidmore, C. J., 215
Slatko, B. E., 149, 159
Smith, M., 219
Southern, E. M., 213
Spathas, D. H., 123
Spiegelman, M., 43
Stephenson, D. A., 208, 209
Stephenson, S. K., 323
Stewart, A. D., 203, 208
Stewart, J. A. B., 213
Styles, J. A., 209
Summerhayes, I. C., 210

Tavassoli, M., 218
Tepper, C. S., 181
Terry, A. L., 181
Thaler, L., 201
The Cartoon Guide to Genetics, Gonick, L., Wheelis, M. – book review, 104
The Contribution of Genetics to the Study of Parasitic Protozoa, Walliker, D. – book review, 225
The Neutral Theory of Molecular Evolution, Kimura, M. – book review, 223
Tomonari, K., 206
Totman, P., 65
Tribolium castaneum, variance-effective population number, 249
Triggs, G. S., 207

von Butler, I., 191

Wade, M. J., 249
Weir, F. A., 215

West, J. D., 209, 210
'Western' blot biotinylating agent, 217
Whitfield, P. R., 339
Willeke, H., 191
Willison, K. R., 21, 210, 219
Winking, H., 201, 202, 277
Woodruff, R. C., 159
Wright, A. F., 213

Yonekawa, H., 277